SUBJECT INDEX

Abbreviation
  decoding performance 49
  learning 407
  methods 49
  preferences 49
  rule-knowledge 49
  text editing commands 407
Accommodation, visual 617
Adaptive training 105
Aircraft landing aid 667
Alerting cues 185
Attention 299
Autocorrelation 63
Automobile headlighting 269
Available Motions Inventory 717
Aviation psychology 499, 509, 519, 533, 545, 557, 565, 573, 583, 591
Back injury 683
Biomechanics 157, 683, 695, 705, 715
Blind 61
Camouflage 223
Card sorting 289
Carrier landing aid 667
Circadian rhythm 197
Cockpit management attitude questionnaire 583
Coding
  color 19, 315
  display 19
  flash rate 489
  redundancy 19, 315
  shape 19, 315
Cold 207
Collision avoidance 33
Color coding 19, 315
Communication, pragmatic 483
Compatibility function 483
Computer
  abbreviations 49
  command names 407, 423
  data entry 3
  graphics 659
  technology 109
  testing 573
  text editing 377, 391, 407, 423, 431, 443, 449, 463
Conspicuity 299
Consumer product safety warnings 677
Contrast sensitivity 289
Control, data entry 3
Control systems 115
CRT
  airborne 19
  color coding 19
  readability 97
  shape coding 19
Data entry, pointing 3
Desks, adjustable 157, 695
Dexterity 207
Diagnosis, critical in-flight event 573
Discomfort 347
Displays
  air traffic 33
  airborne 19
  auditory 185
  blind 61
  cockpit 33
  CRT 19, 323, 339, 659
  format for numerical entry 3
  glideslope descent rate 667
  graphic 61, 483
  imaging 617
  information coding 19
  map 659
  reading 339
  redundancy 19
  tactile 61
  terrain 659
  text-editing 323
Diurnal variation 197
Driver behavior 257
Employee selection 683
Engineering psychology 115
Eyestrain 347, 357
Factor analysis 71
Fault detection 641

Field dependence
  response time to traffic signs 235
  sex difference 235
  stopping policy 641
Flash rate coding 489
Furniture
  adjustable 157, 695
  VDT users 157
  workplace 157
G-seat 249
Glare 269, 283
Group performance 127
Handicapped, blind 61
Handrail height 705
Handwriting recognition system 391
Helicopter hover 249
Hemispheric compatibility 533
History of aviation psychology 499
Human-computer interaction 109, 171, 323, 377, 391, 407, 423, 431, 443, 449, 463, 471, 659
Human factors profession 109
Illusion, moon 617
Individual performance 127
Information processing
  models 223
  parallel 19
  serial 19
Information retrieval 171
Information transmission analysis 489
Inverted-U hypothesis 215
Job design 683, 715
Job satisfaction 347
Job severity index 683
Judgment
  distance 617
  irrational, pilot 565
  personality, pilot 565
  size 617
  training, pilot 557
Knowledge systems 115
Landing aid 667
Learning
  abbreviations 407
  text editing 377, 407
Lifting 683
Manual materials handling 683
Memory
  of safety warnings 677
  short term 315
  variable-memory model 631
  working 533
Methodology
  abbreviation 49
  adaptive training 105
  compatibility functions 483
  computer testing 573
  information transmission 489
  multidimensional scaling 477
  multifactor design 591
  statometry 695
  time-sharing 71
  transfer of training 591
Models
  describing function 257
  dynamic 73
  preview-predictor 257
  search detection 223, 631
  S-C-R compatibility 533
  time series 83
  variable-memory 631
Motion cues 249
Moving text 97
Multiple-task performance
  adaptive training 105
  spatial tasks 533
  time-sharing ability 71
  verbal tasks 533
Multidimensional scaling 477
Occupational health 143, 157, 347, 357, 683, 695
Operational efficiency 197
Perception
  collision threat 33
  safety 677
  tactual 61
Physical ability measurement 717
Pilot errors 545
Pointing, data entry 3
Posture 157, 695

Presidential address 109, 115
Psychophysical function 519
Readability
  moving text 97
  tangible graphs 61
Reading
  hard copy versus CRT 339
  moving text 97
Rear-vision mirrors 269
Reflective-impulsive style 649
Redundant coding 19, 315
Retrieval
  information 171
  short-term memory 315
Safety warnings 677
Search
  file 171
  visual 223, 235, 289, 631
Seating 157, 695
Secondary task 105
Shape coding 19, 315
Signal flash rate discriminability 489
Simulation
  flight 249, 591, 667
  motion cues 249
  transfer of training 591
Speech
  intelligibility 509
  pitch 509
  rate 509
  synthesized 185, 509
Speech-recognition system 391
Stairway handrail height 705
Stopping policy 641
Strategy
  driving 257
  information retrieval 171
Symptoms
  discomfort 157
  ocular 143
  somatic 143
Table (See Desk)
Target detection
  camouflage 223
  street scenes 235
Task design (See Job design)
Task load
  reaction time 223
  tracking 215
  vigilance 215
  visual search 223
Team training 127
Technology
  computer 109
  information 115
  speech 185, 391, 509
Temperature 207
Text editing
  amount of text displayed 431
  blocking learner errors 377
  command names 407, 423
  computer 377, 391, 407, 423, 431, 443, 449, 463
  CRT versus hard copy 323
  error correction 443
  experience 449, 463
  handwriting recognition system 391
  learning 377, 407, 463
  moded versus modeless 449
  speech-recognition system 391
  training system 377
  user characteristic 463
Time series 83
Time-sharing
  ability 71
  methodology 71
  spatial and verbal tasks 533
  theory 71
Traffic signs 235
Training
  adaptive 105
  map reading 659
  pilot judgment 557
  team 127
  transfer 591
Transfer of training 591
VDT use
  age 357
  discomfort 347, 357
  eyestrain 347, 357

dark focus 357
focusing accuracy 357
job satisfaction 347
ocular symptoms 143
short-term changes in eyestrain 357
somatic symptoms 143
reading 339
terrain visualization 659
text editing 323
VDU (See VDT use)
Video games 477
Vigilance 215
Visual inspection 641, 649
Visual landing aid 667
Visual lobe 289
Visual occlusion 257
Visual search
camouflage detection 223
card sorting 289
conspicuity 299
fault detection 641
variable-memory model 631
Visualization, terrain 659
Warning 185, 509
Workload assessment 519, 545
Workplace design 157

AUTHOR INDEX

Ackerman, P. L. 71
Alfaro, L. 391
Alluisi, E. A. 127
Arani, T. T. 631
Ayoub, M. M. 683
Barber, P. J. 19
Barnard, P. 407
Barsam, H. F. 659
Barth, J. L. 61
Bartlett, S. A. 705
Bendix, T. 695
Blaauw, G. J. 257
Bobko, D. J. 477
Bobko, P. 477
Bombaci, D. H. 565
Bortolussi, M. R. 545
Braune, R. 519
Briem, V. 357
Buch, G 557
Burrows, G. D. 223
Carrithers, C. 377
Carroll, J. M. 377
Carter, R. C. 83
Coates, G. D. 127
Cochran, D. J. 207
Condon, R. 197
Cole, B. L. 299
Collyer, S. C. 667
Courtney, A. J. 289
Craig, A. 197
Curry, R. E. 215
Darnell, M. J. 431
Davis, M. A. 477
Deivanayagam, S. 683
Dennett, J. 3
Diehl, A. 557
Drury, C. G. 631, 641
Elkerton, J. 171
Ellis, S. R. 33
Emmons, W. H. 443
Faustina, M. L. 215
Fernie, G. R. 705
Finlay, D. 283
Galotti, K. M. 423
Garter, S. K. 449
Giffin, W. C. 573
Granaas, M. M. 97
Grischkowsky, N. 323
Godthelp, H. 257
Gopher, D. 519
Gould, J. D. 323, 391
Grudin, J. 407
Hakkinen, M. T. 185
Halperin, W. 143
Hart, S. G. 545
Haygood, R. C. 105
Hedman, L. R. 357
Helmreich, R. L. 583
Hughes, P. K. 299
Hurt, L. D. 97
Johnson, D. F. 105
Juola, J. F. 97
Karwan, M. H. 631
Kaul, C. E. 667
King, M. G. 223
Kirby, R. H. 127
Koonce, J. M. 499
Kruk, R. S. 339
Laham, R. D. 97
Landauer, T. K. 423
Lee, E. C. 33
Lester, L. F. 565
Liles, D. H. 683
Lintern, G. 667
Long, J. 3
Luder, C. B. 19
Mahajan, P. 683
Maki, B. E. 705
Malzahn, D. E. 715
Marchionda-Frost, K. 509
McKay, T. D. 97
Milgram, P. 257
Moeller, G. 49
Morgan, B. B., Jr. 127
Muter, P. 339
Neal, A. S. 431, 443

Olson, P. L.	269	Simutis, Z. M.	659
Overmyer, S. P.	315	Sivak, M.	269
Parrish, R. V.	249	Smith, A. B.	143
Poller, M. F.	449	Smith, J. D.	33
Rahimi, M.	715	Stanley, G. V.	223
Ricard, G. L.	249	Starr, S. J.	157, 347
Richards, R. D.	143	Tanaka, S.	143
Riley, M. W.	207	Tolin, P.	489
Rockwell, T. H.	573	Tsao, Y.-C.	649
Rogers, W. H.	49	Ursic, M.	677
Roscoe, S. N.	591, 617	Van Cott, H. P.	115
Rosson, M. B.	463	Vidulich, M.	533
Sandry-Garza, D.	533	Wang, T.-G.	649
Schneider, W.	71	Whitaker, L. A.	235
Schwabisch, S. D.	641	Whitefield, A.	3
Shoptaugh, C. F.	235	Wickens, C. D.	71, 533
Shute, S. J.	157	Wilkinson, J.	283
Simcox, W. A.	483	Wiener, E. L.	215
Simon, C. W.	591	Williges, B. H.	185
Simon, J. R.	315	Williges, R. C.	109, 171
Simpson, C. A.	509		